

Amendments to the Claims

The current listing of the claims replaces all previous amendments and listings of the claims.

1. (Currently Amended) A receptacle for battery-using apparatuses, comprising:
a plug inserting/removing portion where a plurality of signal post contact portions is disposed in parallel with each other which come in contact with a signal contact of an external plug;

a signal post connecting portion on a rear surface side of said plug inserting/removing portion and connected to a circuit board; and

an electrode disposing portion on a side surface of said plug inserting/removing portion and provided with a contact for a battery comprising plate springs protruding in parallel with each other on the rear surface side of said plug inserting/removing portion,

wherein said contact comprises:

a board connecting portion connected to the circuit board;

a slant strip coupled with the board connecting portion, which protrudes toward the rear surface side of said electrode disposing portion, and which is flexible toward the electrode disposing portion; and

an electrode contact portion formed at one tip of the slant strip, which has a U-shape protruding toward the rear surface side of said electrode disposing portion, and which comes in contact with the battery electrode; and

wherein the contact is provided, at a site extending from the board connecting portion to the slant strip, with a vertical strip disposed along a vertical inner wall surface on a front surface side in a housing space into which the contact is pressured, and a void is defined between the board connecting portion and the vertical strip such that a surface of the vertical strip is about perpendicular to a direction in which the vertical strip extends.

2. (Previously Presented) The receptacle according to claim 1, wherein the housing space opens toward an under surface side and a rear surface side of the electrode disposing portion to thereby house by pressure the contact for a battery into the housing space.

3. (Previously Presented) A receptacle for battery using apparatuses, comprising:
a plug inserting/removing portion where a plurality of signal post contact portions is disposed in parallel with each other which come in contact with a signal contact of an external plug;

a signal post connecting portion on a rear surface side of the plug inserting/removing portion and connected to a circuit board; and

an electrode disposing portion on a side surface of the plug inserting/removing portion and provided with a contact for a battery comprising plate springs protruding in parallel with each other on the rear surface side of the plug inserting/removing portion,

wherein the contact comprises:

a board connecting portion connected to the circuit board;

a slant strip coupled with the board connecting portion, which protrudes toward the rear surface side of the electrode disposing portion, and which is flexible toward the electrode disposing portion; and

an electrode contact portion formed at one tip of the slant strip, which has a U-shape protruding toward the rear surface side of the electrode disposing portion, and which comes in contact with the battery electrode,

wherein the electrode disposing portion defines a housing space opened toward an under surface side and a rear surface side of the electrode disposing portion to thereby house by pressure the contact, and

wherein:

the contact comprises, between the board connecting portion and the slant strip, a horizontal strip coupled to said board connecting portion, and a vertical strip extending from the other end of the slant strip and disposed along a vertical inner wall surface on a front surface side in the housing space; and

a notch hole is formed at a boundary between the vertical strip and said horizontal strip so that a lower end surface of the vertical strip which faces the notch hole is flat.

4. (Previously Presented) The receptacle according to claim 1, wherein the electrode disposing portion is provided with a recharging electrode terminal comprising:

a connecting portion connected to the circuit board; and

a contacting electrode portion disposed on the front surface side of the electrode disposing portion.

5. (Previously Presented) The receptacle according to claim 4, wherein the housing space opens toward an under surface side of the electrode disposing portion to thereby house by pressure the recharging electrode terminal in the housing space.

6. (Previously Presented). The receptacle according to claim 1, wherein the housing space opens toward an under surface side of the electrode disposing portion to house by pressure the contact into the housing space through the opening in the under surface side of the electrode disposing portion.

7. (Currently Amended) ~~The A receptacle according to claim 6, wherein:~~ for battery-using apparatuses, comprising:

a plug inserting/removing portion where a plurality of signal post contact portions is disposed in parallel with each other which come in contact with a signal contact of an external plug;

a signal post connecting portion on a rear surface side of said plug inserting/removing portion and connected to a circuit board; and

an electrode disposing portion on a side surface of said plug inserting/removing portion and provided with a contact for a battery comprising plate springs protruding in parallel with each other on the rear surface side of said plug inserting/removing portion,

wherein said contact comprises:

a board connecting portion connected to the circuit board;

a slant strip coupled with the board connecting portion, which protrudes toward the rear surface side of said electrode disposing portion, and which is flexible toward the electrode disposing portion; and

an electrode contact portion formed at one tip of the slant strip, which has a U-shape protruding toward the rear surface side of said electrode disposing portion, and which comes in contact with the battery electrode; and

the contact is provided, at a site extending from the board connecting portion to the slant strip, with a vertical strip disposed along a vertical inner wall surface on a front surface side in a housing space into which the contact is pressured;

the housing space opens toward an under surface side of the electrode disposing portion to house by pressure the contact into the housing space through the opening in the under surface side of the electrode disposing portion;

the contact is provided, at a site thereof extending from the board connecting portion to the slant strip, with a horizontal strip coupled to the board connecting portion, and a vertical strip formed by extending from another end of the slant strip and disposed along a vertical inner wall surface on a front surface side in the housing space into which the contact is housed by pressure; and

a notch hole is formed at a boundary between the vertical strip and the horizontal strip so that a lower end surface of the vertical strip which faces the notch hole is flattened.